

09966310-092701

7. (Amended) The wiring connection device according to ~~any of claim 1 through claim 6~~, wherein motor-side connection terminals are mounted on each of said plurality of motor-side coil wires; this plurality of motor-side connection terminals is embedded and retained in the motor-side through hole, directed in the outward radial direction and arrayed in the circumferential direction, by molding; respective cable-side connection terminals are attached to said plurality of power supply cables, and respective connectors are attached for fastening to said terminal box; a plurality of connector mating holes, and a plurality of connector fastening screw holes paired with this plurality of connector mating holes, are formed in a vertical wall of said terminal box parallel to the arrayed direction of said motor-side connection terminals, directed in directions substantially perpendicular to the axial directions of said respective motor-side connection terminals, and arrayed in the circumferential direction; and, said plurality of connector mating holes and connector fastening screw holes are arranged such that the angles made by the planes containing each of the axes of the connector fastening screw holes and paired connector mating holes formed in said vertical wall, with each of the motor-side connection surfaces formed at the tips of the motor-side connecting portions of the motor-side connection terminals respectively connected to said plurality of cable-side connection terminals, are each different.

8. (Amended) The wiring connection device according to ~~any claim 1 through claim 7~~, wherein said plurality of motor-side connection terminals is embedded and retained by molding within the motor-side through hole, directed in the outward radial direction and arrayed in the circumferential direction; said plurality of cable-side connection terminals is directed

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from the connector mating holes of a vertical wall of said terminal box to within the terminal box, in directions substantially perpendicular to the axial directions of said respective motor-side connection terminals, and arrayed in the circumferential direction; connectors are mated with said plurality of connector mating holes, respectively, and fastening bolts are screwed into said plurality of connector fastening screw holes, fastening each connector to said vertical wall; the cable-side connecting surfaces of the cable-side connecting portions of said cable-side connection terminals are brought into contact with the motor-side connecting surfaces of the motor-side connecting portions of said motor-side connection terminals; connection bolts passed through the connection through holes of said cable-side connecting portions are screwed into the connection screw holes of said motor-side connecting portions, and the cable-side connection terminals are connected to said motor-side connection terminals; and, a lid member which blocks said aperture portion at the tip of the vertical walls of said terminal box is mounted in watertight fashion.

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7. (Amended) The wiring connection device according to claim 1, wherein motor-side connection terminals are mounted on each of said plurality of motor-side coil wires; this plurality of motor-side connection terminals is embedded and retained in the motor-side through hole, directed in the outward radial direction and arrayed in the circumferential direction, by molding; respective cable-side connection terminals are attached to said plurality of power supply cables, and respective connectors are attached for fastening to said terminal box; a plurality of connector mating holes, and a plurality of connector fastening screw holes paired with this plurality of connector mating holes, are formed in a vertical wall of said terminal box parallel to the arrayed direction of said motor-side connection terminals, directed in directions substantially perpendicular to the axial directions of said respective motor-side connection terminals, and arrayed in the circumferential direction; and, said plurality of connector mating holes and connector fastening screw holes are arranged such that the angles made by the planes containing each of the axes of the connector fastening screw holes and paired connector mating holes formed in said vertical wall, with each of the motor-side connection surfaces formed at the tips of the motor-side connecting portions of the motor-side connection terminals respectively connected to said plurality of cable-side connection terminals, are each different.

8. (Amended) The wiring connection device according to claim 1, wherein said plurality of motor-side connection terminals is embedded and retained by molding within the motor-side through hole, directed in the outward radial direction and arrayed in the circumferential direction; said plurality of cable-side connection terminals is directed from

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the connector mating holes of a vertical wall of said terminal box to within the terminal box, in directions substantially perpendicular to the axial directions of said respective motor-side connection terminals, and arrayed in the circumferential direction; connectors are mated with said plurality of connector mating holes, respectively, and fastening bolts are screwed into said plurality of connector fastening screw holes, fastening each connector to said vertical wall; the cable-side connecting surfaces of the cable-side connecting portions of said cable-side connection terminals are brought into contact with the motor-side connecting surfaces of the motor-side connecting portions of said motor-side connection terminals; connection bolts passed through the connection through holes of said cable-side connecting portions are screwed into the connection screw holes of said motor-side connecting portions, and the cable-side connection terminals are connected to said motor-side connection terminals; and, a lid member which blocks said aperture portion at the tip of the vertical walls of said terminal box is mounted in watertight fashion.
